Help

Entry	EC 3.2.1.89	Enzyme
Name	arabinogalactan endo-1,4-beta-galactosidase; endo-1,4-beta-galactanase; galactanase; arabinogalactanase	
Class	Hydrolases; Glycosylases; Glycosidases, i.e. enzymes that hydrolyse O- and S-glycosyl compounds	

BRITE hierarchy

Sysname	arabinogalactan 4-beta-D-galactanohydrolase
Reaction (IUBMB)	Endohydrolysis of 1,4-beta-D-galactosidic linkages in arabinogalactans
Orthology	KO: K01224 arabinogalactan endo-1,4-beta-galactosidase

Genes

```
MGR: MGG_09726
ANI: AN5727.2
AFM: AFUA_1G06910
AOR: AO090001000492
YPE: YPO0853
YPK: y3238
YPM: YP_3550
YPA: YPA_0417
YPN: YPN_3055
YPP: YPDSF_0660
YPS: YPTB3098
ECA: ECA3178
XCC: XCC1257(galA) XCC3624(galA)
XCB: XC_0587 XC_2984
XCV: XCV0610(ganA) XCV1360
XAC: XAC1309(galA)
SDE: Sde_0683 Sde_2827 Sde_3710
BCN: Bcen_4875
BCH: Bcen2424_3290
BAM: Bamb_6329
SCL: sce6753(galA)
BSU: BSU34120(yvfO)
BHA: BH2023
BLI: BL00263(yvfO)
BLD: BLi04276(yvfO)
BCL: ABC3517
BPU: BPUM_3616(yvfO)
LME: LEUM_1066
CAC: CAC2570(ganA)
CPY: Cphy_3586
MPE: MYPE6320
SMA: SAV1324
```

NiceZyme View of ENZYME: EC 3.2.1.89

Official Name
Arabinogalactan endo-1,4-beta-galactosidase.

Alternative Name(s)
Arabinogalactanase.
Endo-1,4-beta-galactanase.
Galactanase.

Reaction catalysed
Endohydrolysis of 1,4-beta-D-galactosidic linkages in arabinogalactans

Cross-references	
BRENDA	3.2.1.89
PUMA2	3.2.1.89
PRIAM enzyme-specific profiles	3.2.1.89
KEGG Ligand Database for Enzyme Nomenclature	3.2.1.89
IUBMB Enzyme Nomenclature	3.2.1.89
IntEnz	3.2.1.89
MEDLINE	Find literature relating to 3.2.1.89
MetaCyc	3.2.1.89
UniProtKB/Swiss-Prot	P48842, GANA_ASPAC; P83691, GANA_HUMIN; P48841, GANA_PSEFL; P83692, GANA_THIHE;

View entry in original ENZYME format
View entry in raw text format (no links)

All UniProtKB/Swiss-Prot entries referenced in this entry, with possibility to download in different formats, align etc.
All ENZYME / UniProtKB/Swiss-Prot entries corresponding to 3.2.1.-
All ENZYME / UniProtKB/Swiss-Prot entries corresponding to 3.2.-.-
All ENZYME / UniProtKB/Swiss-Prot entries corresponding to 3.-.-.-